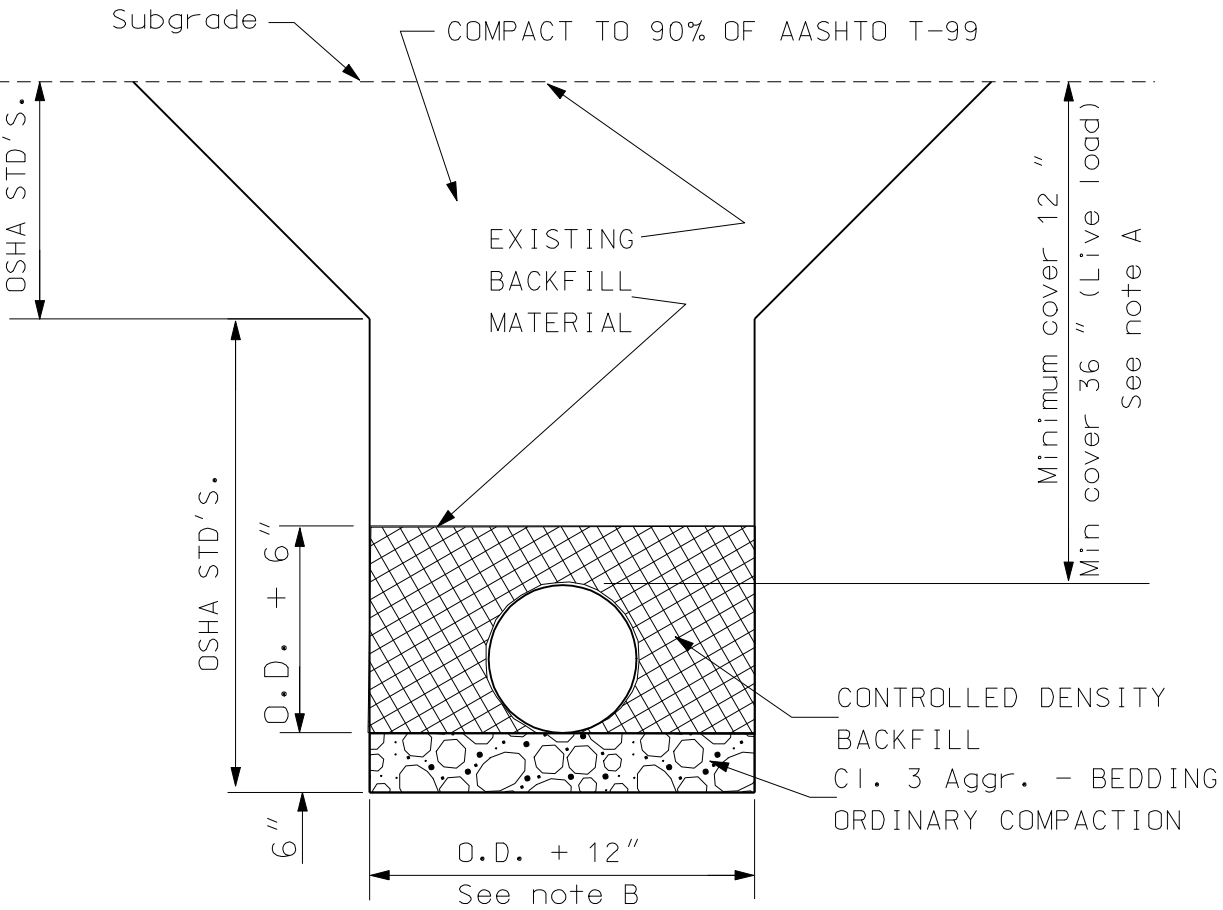


CORRUGATED POLYETHYLENE
PIPE INSTALLATION



PLASTIC PIPE DETAIL

Notes:

Corrugated polyethylene (plastic) pipe shall be installed as shown in the plastic pipe details. The class 3 aggregate shall be graded to uniformly support the pipe, and the trench bottom recessed to fit the bell and spigot. The pipe shall be laid to line and grade and secured to prevent floating or shifting of the pipe during placement of the controlled density backfill. No material shall be placed over the controlled density backfill for at least 8 hours after placement.

The properties of the controlled density backfill shall be a blend of cement, water, pozzolanic materials, and fillers. The material shall be fluid on placement to flow around and fill the voids around pipe in the backfill area. The material shall be able to support normal loads after six hours and have a compressive strength in the range of 75 psi to 125 psi at 28 days. The material shall be such that it lends itself to easy removal with a tractor backhoe. If the mix design shown is used, no further testing will be required. The mix design yields approximately one cubic yard of flowable mortar.

MIX DESIGN

Cement	100 lbs
Fly Ash	300 lbs
Fine Aggr	2600 lbs
Water	70 gals

Note A

Minimum cover over the pipe shall not be less than 12 inches when live load is not a factor. For installation in areas subjected to live loads, the minimum cover shall not be less than 36 inches.

Note B

Trench width as recommended by the pipe manufacturer.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
08-03-87	
REVISIONS	
DATE	CHANGE
06-21-00 12-01-04	Major revision PE Stamp added

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